ACTION ITEMS

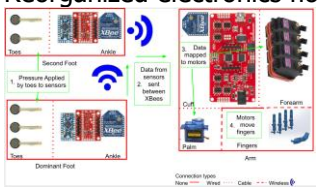
TEAM 12: Active Prosthetic Arm

Due Date:
Wednesday, May 1, 2019 5:30pm

The following are the Action Items from last week:

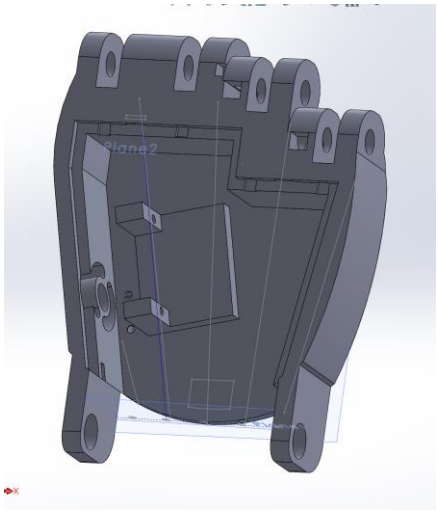
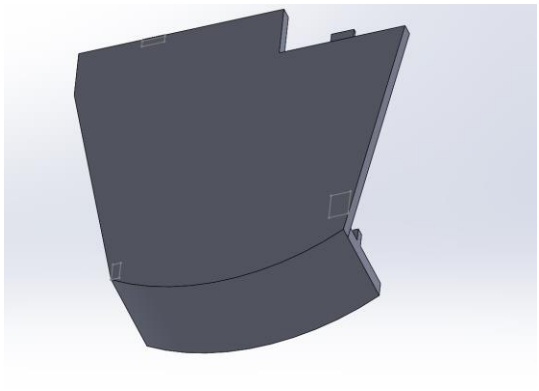
Team Member: Felicity Escarzaga

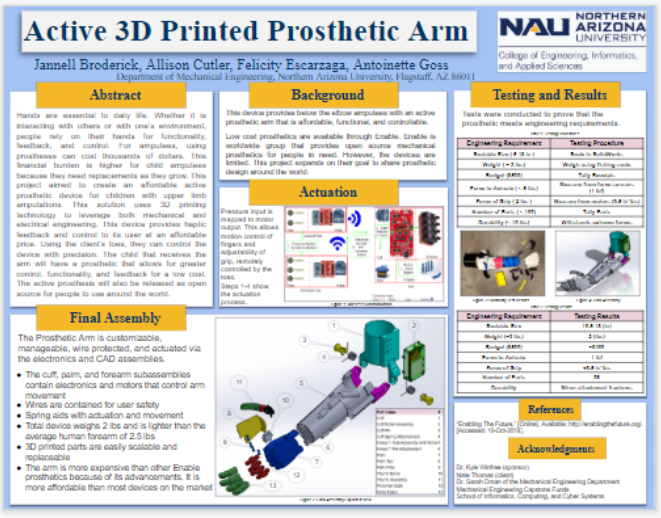
Action Item	Date Due	Date Completed	Result/Proof of Completion
1. Print final cuff	4/24	4/18	Cuff is printed in correct color with all changes completed and implemented. 
2. Print final ecase	4/24	4/22	Ecase has been printed in final color with all electronic components fitting inside and secure 

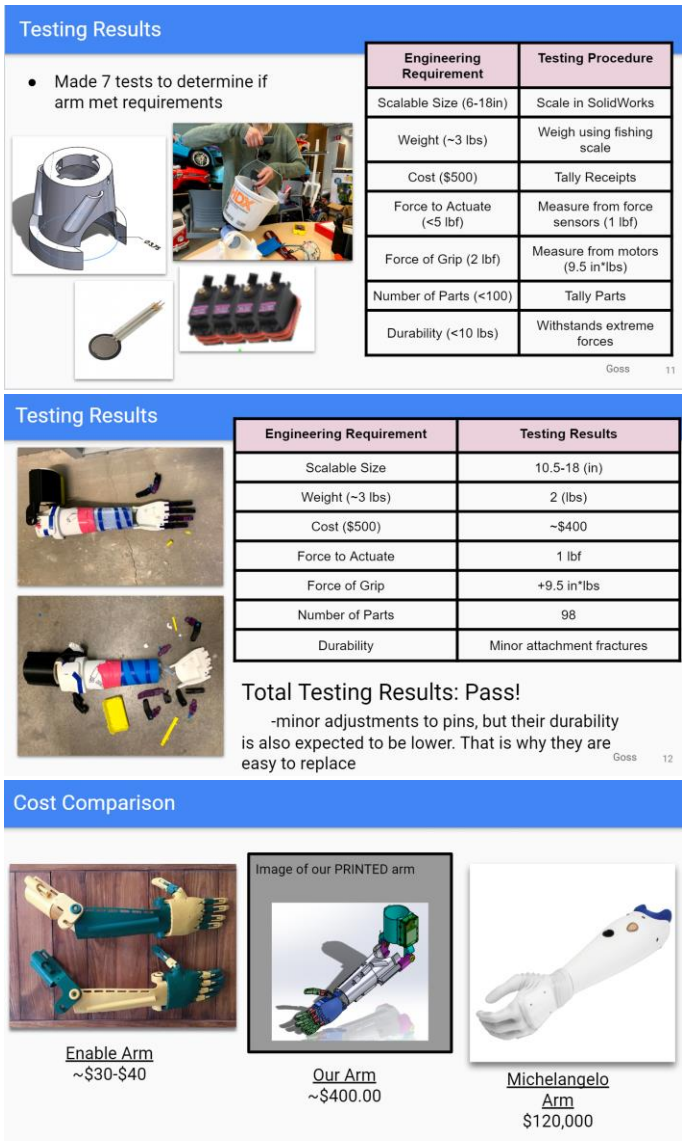
3. Print final fcase	4/24	4/22	Foot case finished. Dimensions need revision for EE team's (Ethan Gage's) perfboard specs.  Final version sent to print. 
4. Check all code	4/24	4/23	Pressure to motors complete, runs both vibration motors and actuation motor. Wireless communication implementation being perfected by EE team (Ethan Gage)
5. Communicate with Client	4/24	4/22	Invited Amanda and Nate to Ugrads presentation and poster via text.
6. Help with poster	4/19	4/19	Reorganized electronics flow chart for poster 

Team Member: Antoinette Goss

Action Item	Date Due	Date Completed	Result/Proof of Completion
Print final palm and palm top	4/23/2019	incomplete	There appears to be a issue with the print. This was resolved by this afternoon but it will take a few more

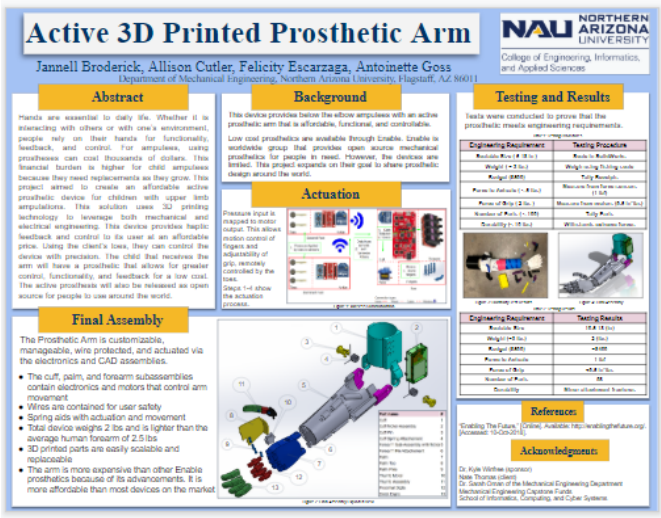
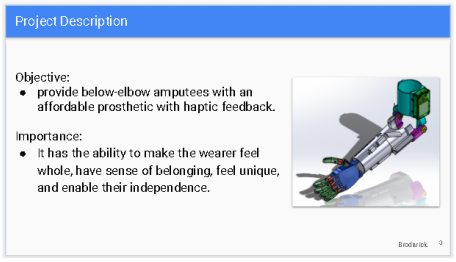
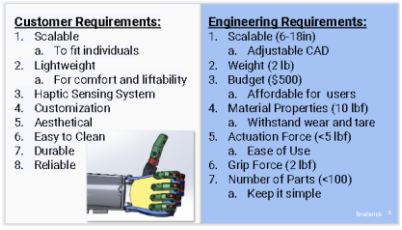
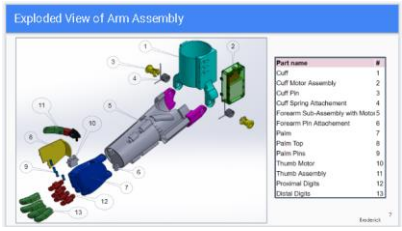
			hours at least to print the final part
Make necessary adjustments to palm	4/24/2019	4/21/2019	The designs were adjusted slightly for the motor hole and elevated finger placements. The palm top was designed for a slightly more secure attachment.  

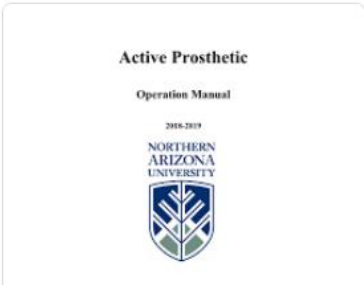
Finalise poster for presentation	4/19/2019		
Print poster for presentation	4/23/2019	4/24/2019	Poster is ready for pick up. Re: UGRADS Poster Inbox × Edwin Roy Anderson to Hello, Your UGRADS poster is ready for pickup from the Physics Office (Bldg. 19, Rm. 209, x2661), which is open 8am-5pm M-F. NOTE: The ink on the poster will smear if it gets wet, including hand oil, so you don't want to flatten it out by running your hands over it when you put it up. -- Ed Ed Anderson, MS Support Systems Analyst, Pr. Dept. of Physics and Astronomy Northern Arizona University NAU Box 6010, Bldg. 19, Rm 209 527 S. Beaver St. Flagstaff, AZ, 86011-6010 Email: Ed.Anderson@nau.edu Phone: (928) 523-7096 FAX: (928) 523-1371 Cell: (928) 310-8092 Home Page: http://www.physics.nau.edu/~anderson Staff Astronomer, NURO, http://www.nuro.nau.edu
Finish Final Presentation			I have completed and/or edited th following slides for the presentation. 

			 I will be presenting the testing result portion of the presentation.

Team Member: Jannell Broderick

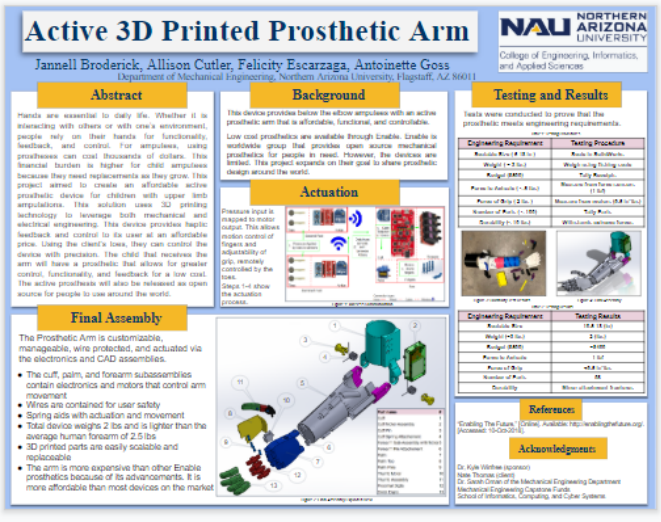
Action Item	Date Due	Date Completed	Result/Proof of Completion

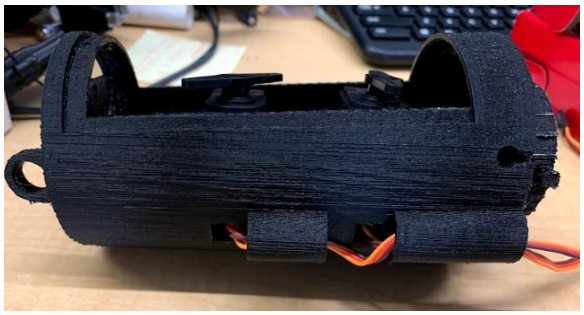
Finalize UGRADS Poster	4/19/19	4/19/19	 After Allison and Felicity started the poster, Toni and I completed the poster. We organized the text, added figures and tables, and made all the poster concise.
Finalize UGRAD Presentation	4/24/19	4/21/19	   

			I completed the slides in the presentation. These slides introduce the project, the requirements, and the final cad design.
Assemble final prosthetic with team	4/24/19	Unfinished	This will be completed once all the parts are printed.
Print new fingers for final design	4/24/19	4/22/19	 The final finger were printed and assembled. The fingers will be added to total assembly once all other parts are printed
Complete user manual	4/26/19	Unfinished	 The Operation/user manual has been started. This Manual will help users assemble and use the prosthetic device. Once completed, the manual will explain how each subassembly will fit together. It will include the mechanical components.

Team Member: Allison Cutler

Action Item	Date Due	Date Completed	Result/Proof of Completion

1. Finalize UGRADS Poster	4/19/19	4/19/19	 • Visuals were updated, tables were updated, logo was changed, and figure/table numbers given • Sentences restructured to be bullet points • Abstract updated and resubmitted
2. Finalize UGRAD Presentation	4/24/19	4/21/19	• Worked with team and made the changes mentioned in class on 4/17. • Edited the testing results, project description, conclusion, and budget • Here is an example of budget modification: now includes comparison with other prosthetics 

3. Print final forearm	4/24/19	Ongoing	 • The Makers Lab had technical errors when confirming the back half of the forearm print, and the print was not started on 4/19 like an email said. After talking to the Maker's Lab, the print was started on 4/24 and will be complete 4/25. If more complications occur, an old prototype will be painted and used for UGRADS • The Makers Lab incorrectly printed the front half of the forearm, so this will have to be reprinted before giving the arm to our Client. However, it is good enough for UGRADS
4. Assemble final prosthetic with team	4/24/19	Unfinished	• Do to the printing complications on multiple subsystems of the arm, assembly has not yet occurred. • The team will have an assembled arm before UGRADS
5. Test electrical assembly with forearm	Unassigned	4/22/19	 • The wire holes and tubing successfully lead the wires to the cuff • Motors fit inside the forearm with the lid on

The following are the Action Items for next week:

Team Member	Action Items	Date Due
Felicity	1. Complete user manual 2. Finalize Presentation slides 3. Assemble prosthetic with team 4. Present at Ugrads 5. Complete final report	1. 4/26 2. 4/26 3. 4/25 4. 4/26 5. 5/1

Antoinette	1. Present at Ugrads 2. Complete final report 3. Complete user manual 4. Assemble prosthetic with team	1. 4/26/2019 2. 5/1/2019 3. 4/26/2019 4. 4/25/2019
Jannell	1. Finish User's Manual 2. Ugrad's Presentation 3. Website Update 4. Final Report	1. 4/26/2019 2. 5/01/2019 3. 5/01/2019 4. 5/01/2019
Allison	1. Assemble prosthetic with team 2. Finalize images in Oral Presentation 3. Present at UGRADS 4. Add images and finalize Operation Manual sections about Forearm and Maintenance 5. Begin correct reprint of forearm for Client 6. Start Honors Capstone requirements	1. 4/25/2019 2. 4/26/2019 3. 4/26/2019 4. 4/26/2019 5. 5/1/2019 6. 5/1/2019